

HIGH-PERFORMANCE ASYNCHRONOUS PEER-TO-PEER REMOTE COPY FOR DATABASES

ABSTRACT OF THE DISCLOSURE

Database content changes are asynchronously remotely copied from a primary site to a remote site by associating sequential identification with each respective log record write and each corresponding data record write received at the primary site. Each respective log record write is asynchronously remotely copied from the primary site to the remote site, and an acknowledgement corresponding to a log record write that has been completed at the remote site is received at the primary site. Each data record write having a sequential identification that is prior to or equal to the sequential identification of the log record write corresponding to the received acknowledgement is then asynchronously remotely copied to the remote site. A log record write is asynchronously remotely copied from the primary site to the remote site before a data record write is asynchronously remotely copied from the primary site to the remote site.